

MINING APPLICATION
NO. _____
Date _____



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

MINING AND RECLAMATION PLAN

(Other forms may be used in lieu of MR 2, provided they contain the same information)

- Chinook Const. and Engineering Ltd, a British Columbia Corporation and Colt Mesa Mining Company, a Utah Corporation.
1. Name of Applicant or Company
 2. Proposed type of operation Open Pit Uranium Mine
 3. (a) Prior Land Use(s) Grazing Land
(b) Current Land Use(s) Grazing Land and Mining
(c) Possible or Prospective Future Land Use(s) Grazing Land and Mining
 4. What vegetation exists on the land proposed to be affected very sparse grass, weeds and brush.
(a) Types and Estimated Percent cover or density: 1% to 27% total, Most of area barren rock.
 5. What is the pH range of soil before mining? Not Known pH Mining method will not affect pH if soil.
Name of Person or Agency and method of determining pH Propose to send appropriate samples to Utah State University.
 6. Site elevation above sea level 4400 Feet (approx)
 7. In case of coal, oil shale, and bituminous sandstone:
Principal seam(s) and thickness(es) Not Applicable
 8. Estimated duration of mining operations 2 years
 9. Has overburden, waste or rejected materials been classified as acid or alkali producing? () Yes (X) No
Does the above material being moved have any other characteristics affecting revegetation? No
 10. Will any underground workings or aquifers be encountered? () Yes (X) No
Describe _____
Is there an active discharge of water from abandoned deep mines on or crossing the land affected? () Yes (X) No If yes, describe the quality of water being discharged. _____

ATTACHMENT

11. Describe specifically a detailed procedure for:
- The mining sequence
 - The procedure for constructing and maintaining access roads, to include a typical cross-section and a profile of the proposed road grades.
 - The procedure for site preparation including removing trees and brush.
 - The method for removing and stockpiling topsoil or disturbed materials.
 - The method for the placement or containment of all disturbed materials, to include the method for handling of all acid or alkali-producing and toxic materials.
 - A procedure for final stabilization of disturbed materials.

GRADING AND REGRADING

ATTACHMENT

Specifically describe:

- Typical cross-section of regrading.
- The method of spreading topsoil or upper horizon material on the regraded area and indicate the approximate thickness of the final surfacing material.
- What type of soil treatment will be utilized.
- The method of drainage control for the final regraded area.
- Maximum grading slope.

TESTING

1. Describe method for testing stability of reclamation fill material.

Experience will fill materials pushed to reasonable slope with caterpillar tractor.

Describe method for the testing of soil that is intended to support vegetation

None--existing vegetation extremely sparse, propose to obtain Utah State University soil tests.

2. Describe any soil treatment employed as an aid to revegetation _____
None.

3. Describe surface preparation of areas intended to support vegetation:
Contoured to reasonable grade.

REVEGETATION

1. Revegetation to be completed by:

<input type="checkbox"/> Operator	<input type="checkbox"/> Hydroseeding
<input type="checkbox"/> Soil Conservation District	<input type="checkbox"/> Aerial Seeding
<input type="checkbox"/> Private Contractor	<input type="checkbox"/> Conventional or Rangeland Drilling
<input checked="" type="checkbox"/> Other (specify) <u>None*</u>	<input type="checkbox"/> Broadcast and Drag
	<input type="checkbox"/> Other _____

* Existing vegetation practically non-existent.

ATTACHMENT of Answers to
Mining and Reclamation Plan
Page 2, Question 11 (a) - (f).

- (a) 25' - 50' drill holes made; overburden removed; prospective ore geiger countered and valuable ore loaded and removed to mill.
- (b) Obstructions and holes smoothed away with caterpillar tractor and blade, utilizing previously existing road.
- (c) No trees and/or brush to be removed, overburden moved by caterpillar tractor.
- (d) Quality of topsoil does not vary from subsoil, mostly rocks.
- (e) Materials moved to adjacent location.
- (f) Contoured to prevent erosion with caterpillar tractor and blade.

Answers to Mining and
Reclamation Plan
Page 2, Question 11 (a) - (e),
Re: GRADING AND REGRADING Section.

- (a) Contoured to avoid grades in excess of 40°.
- (b) No difference in topsoil and subsoil quality.
- (c) None.
- (d) Contoured to prevent erosion.
- (e) 40° is maximum grading slope.

2. Will Mulch be used? () Yes (X) No

Type: _____ Rate/Acre _____ lbs.

3. Revegetation Plan and Schedule - Not Applicable

Species	Rate/ Acre	Planting Location	Facing N-S-E-W	Season to be replanted

4. Will affected area be subject to livestock or wildlife grazing?

(X) Yes () No Will vegetation protection be needed? No

5. Will irrigation be used: () Yes (X) No Type _____

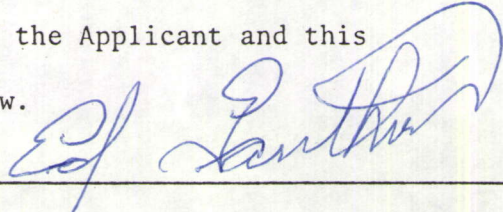
6. Describe maintenance procedures for revegetation if needed, until surety release is granted.

Not Applicable

STATE OF UTAH

COUNTY OF SALT LAKE

I, ED GAUTHIER, having been duly sworn
depose and attest that all of the representations contained in the foregoing
application are true to the best of my knowledge; that I am authorized to
complete and file this application on behalf of the Applicant and this
application has been executed as required by law.

Signed: 

Taken, subscribed and sworn to before me the undersigned authority
in my said county, this 8th day of September, 19 77.

Notary Public: 

My Commission Expires: September 16, 1980 Residing at Salt Lake County,
Utah

PLEASE NOTE:

Section 40-8-13(2) of the Mined Land Reclamation Act provides as
follows:

"Information relating to the location, size, or nature
of the deposit and marked confidential by the operator,
shall be protected as confidential information by the
Board and the Division and not be a matter of public
record in the absence of a written release from the
operator, or until the mining operation has been
terminated as provided in subsection (2) of section
40-8-21."

Is confidential information contained herein?

YES  (Initial)

NO _____ (Initial)

Sections desired to be maintained as confidential information -

All sections relating to location, nature or size
of deposit.

